

AMENDMENTS TO THE CLAIMS:

Kindly amend claims 1, 4, 5 and 6 as shown below.

Kindly add the following new claims 9 to 14.

This listing of claims will replace all prior versions and listings of claims in the

Application:

Claim 1 (currently amended): A method of resetting an array of active pixel sensors

(APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed into groups each having one or more sensors, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially resetting applying a voltage to the groups of one or more sensors; and
- (b) subsequently resetting all of the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously at one time.

Claim 2 (original): A method as claimed in claim 1 wherein each group comprises one or more rows of sensors.

Claim 3 (original): A method as claimed in claim 1 wherein each group comprises one or more columns of sensors.

Claim 4 (currently amended): A method as claimed in claim 1 wherein step (a) includes

- (a.i) detecting the bias voltage level of the sensor array;
- (a.ii) selecting the number of sensors in the ~~pre-resetting~~ groups as a function of the bias voltage detected.

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Claim 5 (currently amended): Apparatus for resetting an array of active pixel sensors

(APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed into groups each having one or more sensors, comprising:

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[[a)] a controller ~~having means~~ coupled to the sensor array for sequentially applying a voltage to the pre-resetting groups of one or more sensors in the array[[:]], and for subsequently resetting all of the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously.

b) ~~the controller having means coupled to the sensor array for simultaneously resetting all of the sensors in the array.~~

Claim 6 (currently amended): Apparatus as claimed in claim 5 which further includes:

- (c) a detector for detecting the bias voltage of the sensor array; and
- (d) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

Claim 7 (original): Apparatus as claimed in claim 6 wherein each group comprises one or more rows of sensors.

Claim 8 (original): Apparatus as claimed in claim 6 wherein each group comprises one or more columns of sensors.

Claim 9 (new): A method of resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially resetting groups of one or more sensors, wherein the pre-resetting step includes:

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- (a.i) detecting the bias voltage level of the sensor array;
 - (a.ii) selecting the number of sensors in the pre-resetting groups as a function of the bias voltage detected; and
 - (b) resetting all of the sensors at one time.

Claim 10 (new): A method as claimed in claim 9 wherein each group comprises one or more rows of sensors.

Claim 11 (new): A method as claimed in claim 9 wherein each group comprises one or more columns of sensors.

Claim 12 (new): Apparatus for resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising:

- (a) a controller coupled to the sensor array for sequentially pre-resetting groups of one or more sensors in the array, and for simultaneously resetting all of the sensors in the array;
- (b) a detector for detecting the bias voltage of the sensor array; and
- (c) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

Claim 13 (new): Apparatus as claimed in claim 12 wherein each group comprises one or more rows of sensors.

Claim 14 (new): Apparatus as claimed in claim 12 wherein each group comprises one or more columns of sensors.

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